

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference B 13655.3PV	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/IB 01/01814	International filing date (day/month/year) 02/10/2001	(Earliest) Priority Date (day/month/year) 29/09/2000
Applicant COMMISSARIAT A L'ENERGIE ATOMIQUE		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

3
☐ None of the figures.

PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCTNOTIFICATION OF WITHDRAWAL
OF PRIORITY CLAIM(PCT Rule 90bis.3 and
Administrative Instructions, Section 415(a) and (b))

To:

DUBOIS-CHABERT, Guy
Brevatome
3, rue du Docteur Lancereaux
F-75008 Paris
FRANCE

Date of mailing (day/month/year) 23 April 2002 (23.04.02)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference B 13655.3PV	
International application No. PCT/IB01/01814	International filing date (day/month/year) 02 October 2001 (02.10.01)
Applicant COMMISSARIAT A L'ENERGIE ATOMIQUE	

1. The applicant is hereby notified that **the priority claim made in the international application has been withdrawn** in accordance with a notice of withdrawal received from the applicant on:

04 April 2002 (04.04.02)

The attention of the applicant is drawn to the fact that the withdrawal of the priority claim will result in the re-calculation of time limits which have not already expired (see Rule 90bis.3(d)).

2. ☐ In the case where **multiple priorities** have been claimed, the above action relates to the following priority claim(s):

3. A copy of this notification has been sent to the receiving Office and to:

- ☐ the International Searching Authority (*where the international search report has not yet been issued*)
- ☒ the designated Offices (*which have already been notified of the receipt of the record copy*)
- ☐ the International Preliminary Examining Authority

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Lazar Joseph PANAKAL
Facsimile No. (41-22) 740.14.35	Telephone No. (41-22) 338.83.38

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01N21/45

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02B G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, COMPENDEX, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 5 380 995 A (CLARK TIMOTHY E ET AL) 10 January 1995 (1995-01-10) column 2, line 7 - line 48 column 2, line 1 - line 27; claim 1 ----- -/--	1,5-11 4



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

20 December 2001

Date of mailing of the international search report

03/01/2002

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Scheu, M

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>ECKE W ET AL: "Optical fiber grating sensor network for monitoring refractive index and temperature distributions in fluids"</p> <p>OPTICAL DIAGNOSTICS FOR FLUIDS/HEAT/COMBUSTION AND PHOTOMECHANICS FOR SOLIDS, DENVER, CO, USA, 21-23 JULY 1999, vol. 3783, pages 176-183, XP000984344</p> <p>Proceedings of the SPIE - The International Society for Optical Engineering, 1999, SPIE-Int. Soc. Opt. Eng, USA</p> <p>ISSN: 0277-786X</p> <p>page 176 -page 177; figures 1,2</p>	1,4-11
A	<p>BHATIA V ET AL: "COMPARISON OF OPTICAL FIBER LONG-PERIOD AND BRAGG GRATING SENSORS"</p> <p>PROCEEDINGS OF THE SPIE, SPIE, BELLINGHAM, VA, US, vol. 2718, 26 February 1996 (1996-02-26), pages 110-121, XP000198670</p> <p>abstract</p>	1
A	<p>US 5 073 024 A (VALETTE SERGE ET AL)</p> <p>17 December 1991 (1991-12-17)</p> <p>abstract</p>	1
E	<p>ES 2 150 386 A (UNIV MADRID POLITECNICA)</p> <p>16 November 2000 (2000-11-16)</p> <p>the whole document</p>	1,3-5,7,10

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB 01/01814

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5380995	A	10-01-1995	US	5397891 A	14-03-1995
			US	5627927 A	06-05-1997
US 5073024	A	17-12-1991	FR	2638847 A1	11-05-1990
			DE	68905757 D1	06-05-1993
			DE	68905757 T2	16-09-1993
			EP	0367675 A1	09-05-1990
			JP	2171639 A	03-07-1990
ES 2150386	A	16-11-2000	ES	2150386 A1	16-11-2000

Translation

PATENT COOPERATION TREATY

PCT

90/019,490 76

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 0268DBR009WO	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/FR00/01845	International filing date (day/month/year) 30 June 2000 (30.06.00)	Priority date (day/month/year) 30 June 1999 (30.06.99)
International Patent Classification (IPC) or national classification and IPC B62D25 /14		
Applicant PLASTIC OMNIUM VALEO INTERIORS		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 5 sheets, including this cover sheet.

☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of _____ sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☒ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 30 December 2000 (30.12.00)	Date of completion of this report 26 September 2001 (26.09.2001)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

I. Basis of the report

1. This report has been drawn on the basis of (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.*):

- ☒ the international application as originally filed.
- ☐ the description. pages 1-4 . as originally filed.
pages _____ . filed with the demand.
pages _____ . filed with the letter of _____ .
pages _____ . filed with the letter of _____ .
- ☐ the claims. Nos. 1-6 . as originally filed.
Nos. _____ . as amended under Article 19.
Nos. _____ . filed with the demand.
Nos. _____ . filed with the letter of _____ .
Nos. _____ . filed with the letter of _____ .
- ☐ the drawings. sheets/fig 1/2-2/2 . as originally filed.
sheets/fig _____ . filed with the demand.
sheets/fig _____ . filed with the letter of _____ .
sheets/fig _____ . filed with the letter of _____ .

2. The amendments have resulted in the cancellation of:

- ☐ the description. pages _____
- ☐ the claims. Nos. _____
- ☐ the drawings. sheets/fig _____

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

4. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-6	YES
	Claims		NO
Inventive step (IS)	Claims	1-6	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-6	YES
	Claims		NO

2. Citations and explanations

Prior art:

The closest prior art appears in DE-A-42 32 846 (D1), which is cited in the search report and discloses an interior front cross member for a vehicle, designed to provide a mounting for equipment items of the said vehicle, said cross member consisting of three connected extruded profiles defining areas of increased thickness for attaching the said equipment items.

Different features:

The subject matter of Claim 1 differs from that prior art in that the said cross member is a one-piece extruded profile.

Objective aim:

To develop a cross member which is easier to manufacture and which offers greater resistance to side impacts.

Reasons for the positive examination report:

The subject matter of the present application is considered to be novel (EPC Articles 52(1) and 54) (see above) and inventive (EPC Article 56) because the prior art does not indicate in an obvious manner the use of a monobloc structure in the form of a one-piece extruded

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/FR 00/01845

profile to make an interior front cross member for a vehicle. The present application is considered to be industrially applicable (PCT Article 33(4)) because it can be used in the automotive industry.

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

1. The description does not mention the documents representing the prior art described on page 1 (PCT Rule 5.1(a(ii))). If the applicant is unaware of the relevant documents, it should add documents D1-D3 to the description.
2. There is no indication that D1 represents the closest prior art on which the preamble of Claim 1 is based.
3. Claim 1 has been drafted in two-part form. However, the feature whereby the cross member consists of extruded profiles defining at least areas of increased thickness for attaching equipment items ought not to appear in the characterising part, since it is disclosed in D1 in combination with the features mentioned in the preamble (PCT Rule 6.3(b)).

INTERNATIONAL SEARCH REPORT

In International Application No

/IB 01/01814

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01N21/45

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02B G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, COMPENDEX, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 5 380 995 A (CLARK TIMOTHY E ET AL) 10 January 1995 (1995-01-10) column 2, line 7 - line 48 column 2, line 1 - line 27; claim 1 --- -/--	1,5-11 4



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

20 December 2001

Date of mailing of the international search report

03/01/2002

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Scheu, M

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
29 November 2001 (29.11.2001)

PCT

(10) International Publication Number
WO 01/89710 A3

(51) International Patent Classification⁷: B05B 13/02

(21) International Application Number: PCT/GB01/02189

(22) International Filing Date: 17 May 2001 (17.05.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/206,093 20 May 2000 (20.05.2000) US

(71) Applicant and

(72) Inventor: BETTERIDGE, John, W. [GB/GB]; The Cottage, 3 Station Road, Tollshunt D'Arcy, Essex, CM9 8TQ (GB).

(74) Agent: MURGITROYD & COMPANY; 373 Scotland Street, Glasgow G5 8QA (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW). Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM). European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR). OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

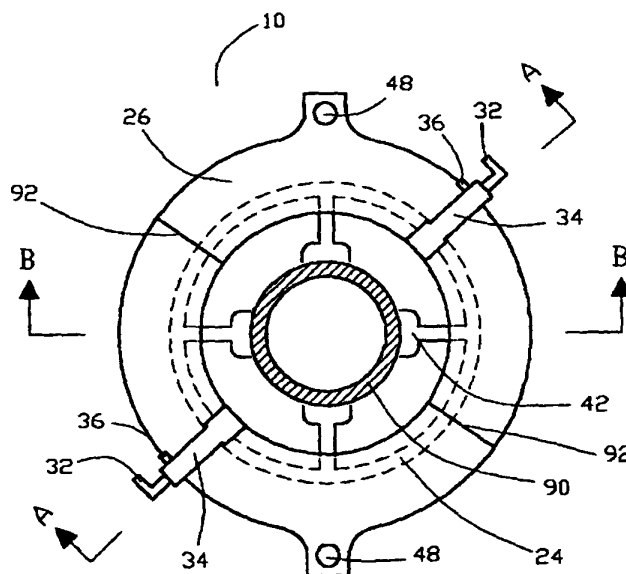
Published:

— with international search report

(88) Date of publication of the international search report:
14 March 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: APPARATUS AND METHOD FOR COATING THE EXTERIOR SURFACE OF A PIPE



(57) Abstract: The exterior surface of a pipe (90) is coated around its full perimeter without rotation of the pipe (90) or the complete coating apparatus (10). In one example, the coating apparatus includes coating heads (42) attached to a rotor with the coating material supplied under positive air pressure via a stator. The coating heads rotate with the rotor and eject coating material onto the exterior surface of the pipe. In a second example, the coating apparatus is stationary and coating material is delivered under positive air pressure through chambers within the apparatus.

WO 01/89710 A3

INTERNATIONAL SEARCH REPORT

International Application No

PC/GB 01/02189

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B05B13/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	GB 2 285 592 A (HEAT PIPELINE INDUCTION LTD) 19 July 1995 (1995-07-19) page 5, line 11 -page 6, line 19 page 7, line 15 - line 21 ---	1,6-8, 10-14 4,9,15
A	US 3 208 868 A (SVEN BACKLUND ET AL) 28 September 1965 (1965-09-28) column 3, line 51 - line 73; figures 1,2 column 4, line 38 -column 5, line 25 ---	16,18, 22-24
A	US 5 725 668 A (HEDRICK JEFFREY C ET AL) 10 March 1998 (1998-03-10) column 3, line 48 -column 4, line 35; figures 1,2 column 4, line 8 -column 5, line 22 --- -/--	16,18, 20,21,23

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

14 December 2001

Date of mailing of the international search report

21/12/2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Jelercic, D

INTERNATIONAL SEARCH REPORT

In tional Application No

PCT/GB 01/02189

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 1 009 055 A (BANISTER CONSTRUCTION COMPANY) 3 November 1965 (1965-11-03) page 5, line 66 -page 6, line 22; figures 9-11 ----	16,23
A	GB 2 233 253 A (PIPETEX LIMITED) 9 January 1991 (1991-01-09) page 5, line 9 -page 7, line 5; figures 1-3 ----	1,12
A	US 2 357 144 A (STAIR CARLYLE B) 29 August 1944 (1944-08-29) page 1, column 2, line 36 - line 22; figures 3,4 ----	1,12
A	US 5 207 833 A (HART MILBURN L) 4 May 1993 (1993-05-04) column 5, line 62 -column 6, line 59 ----	1,10,12
A	DE 580 956 C (OTTO HEINRICH) 6 July 1933 (1933-07-06) the whole document -----	1,12

INTERNATIONAL SEARCH REPORT

Information on patent family members

In \rightarrow tional Application No

PCT/GB 01/02189

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 2285592	A	19-07-1995	NONE	
US 3208868	A	28-09-1965	DE 1427625 A1	31-10-1968
			FR 1309661 A	16-11-1962
			GB 976327 A	25-11-1964
			NL 131679 C	
			NL 273178 A	
US 5725668	A	10-03-1998	NONE	
GB 1009055	A	03-11-1965	FR 1380805 A	04-12-1964
GB 2233253	A	09-01-1991	NONE	
US 2357144	A	29-08-1944	NONE	
US 5207833	A	04-05-1993	NONE	
DE 580956	C		NONE	